



**MSHA's Occupational Illness and Injury  
Prevention Program  
Health Idea  
"Controlling Drill Dust With A Bucket"**

**SAFETY  
IS A  
VALUE!**

**Category :** Dust Control  
**Mine Type:** All Surface

Dust generated from surface drilling is a health hazard and is required to be controlled by MSHA regulations. Despite best efforts, uneven bench conditions exist. Often times when drills are leveled on uneven benches, the dust skirt does not reach the ground, resulting in a lack of sealing that permits drill dust to escape into the work environment.



Senex Explosives has resolved this sealing problem by simply using a plastic bucket. The bottom of a plastic bucket is cut to create a cylinder. When drilling through this cylinder, bailing air carries the cuttings higher under the table allowing the collection system to function more efficiently, eliminating dust from being exhausted under the skirt. After drilling is complete, hole casings can be inserted. Prior to shoveling or removing the "dust bucket" for future use, remember to apply water to the cuttings to reduce the potential for airborne dust emissions. Conduct periodic air monitoring to determine exposure estimates of respirable crystalline silica. Select and wear appropriate NIOSH-approved air-purifying respiratory protection equipped with high-efficiency particulate filters.



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**Remember – Safety is a Value that you can LIVE with!**